(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 19 April 2007 (19.04.2007)

(10) International Publication Number WO 2007/041750 A1

(51) International Patent Classification:

 F16L 19/06 (2006.01)
 F16L 47/04 (2006.01)

 F16L 19/07 (2006.01)
 F16L 47/10 (2006.01)

 F16L 19/065 (2006.01)
 F16L 47/12 (2006.01)

 F16L 21/04 (2006.01)
 F16L 47/12 (2006.01)

(21) International Application Number:

PCT/AU2005/001582

(22) International Filing Date: 12 October 2005 (12.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US):
PHILMAC PTY LTD [AU/AU]; 53 Deeds Road,
North Plympton, S.A. 5037 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHELCHOWSKI, David [AU/AU]; 79 Jetty Road, Largs Bay, S.A. 5016 (AU). PUCKETT, Geoffrey, Bryan [AU/AU]; 27 Slade Crescent, Hallett Cove, S.A. 5158 (AU). PRIDHAM, Malcolm [AU/AU]; 38 Bellima Road, Sheidow Park, 5158 (AU).

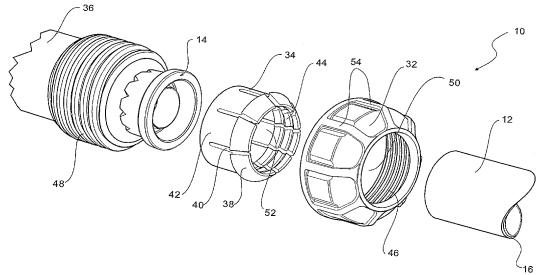
- (74) Agent: LESICAR PERRIN; 49 Wright Street, Adelaide, S.A. 5000 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PIPE COUPLING ADAPTED FOR SEALING THE END OF A PIPE



(57) Abstract: The present invention relates to a sealing member for use in a pipe coupling assembly and, in particular, to a sealing member(14) for sealing the end of a pipe (12) having an exposed metal surface at its end, such as pipe (12) comprising an internal metal sheath which is lined internally and externally with plastic. The sealing member (14) includes a pipe receiving portion adapted to receive the end of the pipe (12) to thereby prevent contact between the end of the pipe an fluid travelling through the pipe. The sealing member (14) may be used in standard pipe couplings, or is preferably incorporated into a coupling having a deformable gripping member (34) whereby upon tightening of the coupling assembly nut (32), the gripping member (34) urges against the pipe (12) both radially and longitudinally to thereby simultaneously grip the pipe (12) and urge the pipe end within the pipe receiving portion.